7510-395-091

Material Safety Data Sheet

1.0 Product and Company Identification

Identification of the preparation

HP LaserJet Print Cartridge 92291 A/X

Company identification

Hewlett-Packard Company
11311 Chinden Boulevard
Boise, Idaho 83714
United States

Emergency telephone number
Hewlett-Packard Health Effects Line

I-800-457-4209 (USA and Canada)
Intl: +1-503-494-7199 (all other areas)
Singapore: +001-800-332-13321

General information telephone number

I-208-323-2551 (USA and Canada)
Intl: +1-208-323-2551 (all other areas)

Local Contact Information

Ireland
Liffey Park Technology Park
Barnhall Road Leixlip, Co.
Kildare, Ireland
Phone: 01 6150000

United Kingdom
Hewlett-Packard, Ltd.
Cain Road, Amen Corner
Bracknell, Berkshire, RG12 1HN
Phone: 1344 36-0000

Hazard Rating	US NFPA/HMIS
Health	1
Flammability	1
Instability/Reactivity	0
Special	N/A

2.0 Composition/Information on Ingredients

This product is a toner preparation that is used in Hewlett-Packard 3Si, 4Si, or 4Si MX LaserJet printers.

Component/Substance	CAS Number	EU Number	% by Weight	Risk Phrases
Styrene Acrylate Copolymer			**45-55**	
iron Oxide	1317-61-9	**215-277-5**	**45-55**	

3.0 Hazard Identification

The preparation is not classified according to EU Directive 1999/45/EC

Routes of Exposure Inhalation, ingestion, skin and eyes.

Acute Health Hazards

Inhalation: Minimal respiratory tract irritation may occur with exposure to large amount of toner dust

Ingestion: ingestion is not applicable route of entry for intended use.

Skin: Unlikely to cause skin irritation

Eyes: May cause eye irritation

Chronic Health Hazards Prolonged inhalation of excessive amounts of any dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.

Carcinogenicity Refer to section 11.

4.0 First Aid Measures

Inhalation: Move person to fresh air immediately. If symptoms occur, consult a physician.

Ingestion: Rinse mouth with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

Skin: Wash affected areas thoroughly with soap and water. If symptoms occur, consult a physician.

Eyes: Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 15 minutes. If symptoms occur, consult a physician.

5.0 Fire Fighting Measures

Extinguishing media CO_2, water, dry chemical

Unsuitable Extinguishing Media **None known**

Special Firefighting Procedures **None**

Unusual fire and explosion hazards Toner material, like most organic material in powder form, is capable of creating a dust explosion

Auto-ignition temperature **No data available**

Flashpoint (method) Not applicable

Hazardous Combustion Products Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.

6.0 Accidental release measures

Spill or leak procedures Wear personal protective equipment as described in Section 8. Minimize the release of particulates. Vacuum or sweep the material into a bag or other sealed container and dispose in accordance with local requirements.

Environmental precautions Do not discharge into drains (See also section 13 Disposal Considerations).

7.0 Handling and Storage

Advice on safe handling and protection against fire Keep material out of reach of children. Avoid inhalation of dust and contact with eyes. Keep away from excessive heat, sparks, and open flames..

Requirements for storage rooms and advice on storage compatibility Keep container closed and store at room temperature. Keep away from strong oxidizers.

8.0 Exposure control/ personal protection

Exposure Limit Values

USA OSHA (TWA)/PEL: 15 mg/m^3 (Total Dust)
5 mg/m^3 (Respirable Fraction)

ACGIH (TWA/TLV): 10 mg/m^3 (Inhalable Particulate)
3 mg/m^3 (Respirable Particulate)

TRGS 900 (Luftgrenzwert): 10 mg/m3 (Einatembare Partikel)
3 mg/m3 (Alveolengängige Fraktion)

Exposure Controls

Respiratory protection Not required under intended use

Ventilation Good general ventilation should be sufficient under intended use

Protective gloves Not required under intended use

Eye protection Not required under intended use

Other protective equipment Not required under intended use

9.0 Physical and chemical properties

pH Not applicable

Boiling point Not applicable

Flash point Not applicable

Melting point 100 - 150°C (Softening Point)

Flammability Non-flammable solid (according to test methods of USA 16 CFR 1500.44 and 84/449/EEC (Annex V) A.IO)

Explosive properties Toner material, like most organic material in powder form, is capable of creating a dust explosion

Oxidizing properties No data available

Vapor Pressure Not applicable

Specific gravity (H2O=1) **1.4 - 1.6**

Solubility in Water Negligible

Solubility in organic solvents Partially soluble in toluene and xylene

Partition coefficient **Not** applicable

Viscosity Not applicable

Vapor density Not applicable

Evaporation rate Not applicable
Physical state Fine powder
Color Black
Odor Slight plastic odor
Other None known

10.0 Stability and reactivity

Stability Stable under normal storage conditions
Incompatibilities Strong oxidizers
Hazardous decomposition products Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.
Hazardous polymerization Will not occur.

11.0 Toxicological information

Refer to Section 3 for potential heath effects and Section 4 for first aid measures

Acute Toxicity:

Inaestion: LD50: oral-rat25000 mg/kg, not harmful.
Eye Contact: Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC.
Skin Contact: Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC.
Chronic Toxicity: No data available

Other Toxicity Data:

Mutagenicity: Negative, does not indicate mutagenic potential, (Ames Test: Salmonella typhimurium).
Carcinogenicity: Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).

112.0 Ecological Information

No data available for ecological and wastewater treatment (sewage) systems.

13.0 Disposal considerations

Product / unused product / contaminated packaging (for Germany only)
Recommendation: consultation with the disposal agency and the relevant authorities; cleansing agent is water.

14.0 Transportation information

Not a regulated article under DOT, IATA, ADR, or RID

UN Number None

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Class	None
Proper Shipping Name	None
Packing Group	**None**
Special Precautions	None

15.0 Regulatory information

US EPA TSCA Inventory	All ingredients are' listed on TSCA inventory
US EPA TSCA 12(b)	None
US California Proposition 65	None
EU Notification	All components in this product are compliant with EU Chemical Inventory regulations.
EU R&S Phrase Information	No European Risk Phrases (labeling data)
Dangerous Components (CAS No.) wt%	None

USA Labeling

Symbol	Not required
Hazard Warning	Not required
Safety Advice	Not required
Hazardous Component(s)	None

16.0 Other information

Date Prepared:	August 1, 2002
HP-DMS Document Control Number:	09000de7821f4f1
Revision Information:	This document replaces all prior versions of the MSDS
EU information	This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended **by** 2001/58/EC **and** USA OSHA Hazard Communications regulations (29CFR1910:1200).

DISCLAIMER: This Material Safety Data Sheet (MSDS) is provided without charge to customers of Hewlett-Packard. Data is the most current known to Hewlett-Packard at the time of preparation of this MSDS and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or their suitability for a particular application.